



SEQUENCE LISTING

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<120> IL-16 ANTAGONISTS

<130> 12875

<140> 09/368,630

<141> 1999-08-05

<160> 48

<170> PatentIn Ver. 2.1

<210> 1

<211> 4

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Peptide

<220>

<221> UNSURE

<222> (1)

<223> Xaa is Arg or Lys

<220>

<221> UNSURE

<222> (3)..(4)

<223> Xaa can be any amino acid

<400> 1

Xaa Arg Xaa Xaa

1

<210> 2

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Peptide

<400> 2

Arg Arg Lys Ser

1

<210> 3

<211> 4

45

B

<212> PRT
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<220>
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<400> 3
Arg Arg Thr Ser
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<210> 4
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<220>
<223> Description of Artificial Sequence:Peptide

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Lys Arg Lys Ser
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B,
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Arg Arg Ala Ser
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<400> 6
Arg Arg Lys Ala
1

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<223> Description of Artificial Sequence:Peptide

<400> 7

Arg Arg Thr Ala
1

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<223> Description of Artificial Sequence:Peptide

<220>

<221> UNSURE

<222> (1)..(2)

<223> Xaa can be any amino acid

<220>

<221> UNSURE

<222> (3)

<223> Xaa is Arg or Lys

<400> 8

Xaa Xaa Xaa Arg
1

B₁
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<220>

<223> Description of Artificial Sequence:Peptide

<400> 9

Val Ile Arg Arg
1

<210> 10

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<212> PRT

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<220>

<223> Description of Artificial Sequence:Peptide

<400> 10

Val Leu Arg Arg
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<220>
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<400> 11
Val Ile Lys Arg
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<210> 12
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<220>
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<220>
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<223> Xaa can be any amino acid

<220>
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<222> (2)
<223> Xaa is Arg or Lys

B1
<220>
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<222> (4)
<223> Xaa can be any amino acid

<400> 12
Xaa Xaa Arg Xaa
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<400> 13
Ile Arg Arg Lys
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<220>
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<400> 15
Leu Arg Arg Lys
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<220>
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B, <400> 16
Ile Lys Arg Lys
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<400> 17
Arg Arg Lys Ser Leu Gln
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Arg Arg Thr Ser Leu Gln
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<400> 19

Arg Arg Lys Ser Cys Met
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Lys Arg Lys Ser Met Gln
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<211> 6

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<211> 6

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Arg Arg Lys Ala Leu Gln

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5

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<210> 25
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<210> 27

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51

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<220>
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<210> 28
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<400> 28
Lys Arg Lys Ser Met Gln Ser Lys
1 5

<210> 29
<211> 8
<212> PRT
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<220>
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<400> 29
Arg Arg Ala Ser Leu Gln Ser Lys
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<210> 30
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<220>
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<400> 30
Arg Arg Lys Ala Leu Gln Ser Lys
1 5

<210> 31
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<213> Artificial Sequence

<220>
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<400> 31
Arg Arg Thr Ala Leu Gln Cys Lys
1 5

<210> 32
<211> 8
<212> PRT
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<220>
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<400> 32
Arg Arg Ala Ser Leu Gln Cys Lys
1 5

<210> 33
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
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<400> 33
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B₁
<210> 34
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<212> PRT
<213> Artificial Sequence

<220>
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<400> 34
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<210> 35
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
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<400> 35

Arg Arg Ala Ser Leu Gln Ser Lys Glu Thr Thr Ala Ala Gly Asp Ser
1 5 10 15

<210> 36
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
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<400> 36
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1 5 10 15

<210> 37
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Peptide

<400> 37
Arg Arg Thr Ala Leu Gln Cys Lys Gln Thr Thr Ala Ser Ala Asp Ser
1 5 10 15

<210> 38
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
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<400> 38
Arg Arg Ala Ser Leu Gln Cys Lys Gln Thr Thr Ala Ser Ala Asp Ser
1 5 10 15

<210> 39
<211> 121
<212> PRT
<213> Homo sapiens

<400> 39
Ser Ala Ala Ser Ala Ser Ala Ala Ser Asp Val Ser Val Glu Ser Thr
1 5 10 15

Ala Glu Ala Thr Val Cys Thr Val Thr Leu Glu Lys Met Ser Ala Gly
20 25 30

Leu Gly Phe Ser Leu Glu Gly Gly Lys Gly Ser Leu His Gly Asp Lys

35 40 45
 Pro Leu Thr Ile Asn Arg Ile Phe Lys Gly Ala Ala Ser Glu Gln Ser
 50 55 60
 Glu Thr Val Gln Pro Gly Asp Glu Ile Leu Gln Leu Gly Gly Thr Ala
 65 70 75 80
 Met Gln Gly Leu Thr Arg Phe Glu Ala Trp Asn Ile Ile Lys Ala Leu
 85 90 95
 Pro Asp Gly Pro Val Thr Ile Val Ile Arg Arg Lys Ser Leu Gln Ser
 100 105 110
 Lys Glu Thr Thr Ala Ala Gly Asp Ser
 115 120

<210> 40
 <211> 118
 <212> PRT
 <213> Mus musculus

<400> 40
 Ser Ala Ala Ser Ala Ser Ala Ala Ser Asp Ile Ser Val Glu Ser Lys
 1 5 10 15
 Glu Ala Thr Val Cys Thr Val Thr Leu Glu Lys Thr Ser Ala Gly Leu
 20 25 30
 Gly Phe Ser Leu Glu Gly Gly Lys Gly Ser Leu His Gly Asp Lys Pro
 35 40 45
 Leu Thr Ile Asn Arg Ile Phe Lys Gly Asp Arg Thr Gly Glu Met Val
 50 55 60
 Gln Pro Gly Asp Glu Ile Leu Gln Leu Ala Gly Thr Ala Val Gln Gly
 65 70 75 80
 Leu Thr Arg Phe Glu Ala Trp Asn Val Ile Lys Ala Leu Pro Asp Gly
 85 90 95
 Pro Val Thr Ile Val Ile Arg Arg Thr Ser Leu Gln Cys Lys Gln Thr
 100 105 110
 Thr Ala Ser Ala Asp Ser
 115

<210> 41
 <211> 121
 <212> PRT
 <213> Chlorocebus aethiops

<400> 41
 Ser Ala Ala Ser Ala Ser Ala Ala Ser Asp Val Ser Val Glu Ser Ser

55

B

1	5	10	15
Ala	Glu	Ala	Thr
	20		
Val	Tyr	Thr	Val
		25	
Thr	Leu	Glu	Lys
			Met
			Ser
			30
Ala	Gly		
Leu	Gly	Phe	Ser
	35		
Leu	Glu	Gly	Gly
		40	
Lys	Gly	Ser	Leu
			His
			45
Gly	Asp	Lys	
Pro	Leu	Thr	Ile
	50		
Asn	Arg	Ile	Phe
		55	
Lys	Gly	Ala	Ala
			60
Ser	Glu	Gln	Ser
Glu	Thr	Ile	Gln
	65		
Pro	Gly	Asp	Glu
		70	
Ile	Leu	Gln	Leu
		75	
Ala	Gly	Thr	Ala
			80
Met	Gln	Gly	Leu
Thr	Arg	Phe	Glu
	85		
Ala	Trp	Asn	Ile
	90		
Ile	Ile	Lys	Ala
			95
Leu			
Pro	Asp	Gly	Pro
			100
Val	Thr	Ile	Val
Ile	Arg	Arg	Lys
	105		
Ser	Leu	Gln	Pro
			110
Lys	Glu	Thr	Thr
Ala	Ala	Ala	Asp
			115
Ser			
			120

<210> 42
 <211> 121
 <212> PRT
 <213> Macaca fascicularis

B,

<400> 42
Ser
1
Ala
Ala
Ser
Ala
5
Ser
Ala
Ala
Ser
Asp
10
Val
Ser
Val
Glu
Ser
15
Ser
Ala
Glu
Ala
Thr
20
Val
Tyr
Thr
Val
25
Thr
Leu
Glu
Lys
Met
30
Ser
Ala
Gly
Leu
Gly
Phe
35
Ser
Leu
Glu
Gly
Gly
40
Lys
Gly
Ser
Leu
His
45
Gly
Asp
Lys
Pro
Leu
Thr
50
Ile
Asn
Arg
Ile
55
Phe
Lys
Gly
Ala
Ala
60
Ser
Glu
Gln
Ser
Glu
Thr
65
Ile
Gln
Pro
Gly
70
Asp
Glu
Ile
Leu
Gln
75
Leu
Ala
Gly
Thr
Ala
80
Met
Gln
Gly
Leu
85
Thr
Arg
Phe
Glu
Ala
90
Trp
Asn
Ile
Ile
Lys
Ala
95
Leu
Pro
Asp
Gly
100
Pro
Val
Thr
Thr
Val
105
Ile
Arg
Arg
Lys
Ser
110
Leu
Gln
Pro
Lys
Glu
Thr
115
Thr
Ala
Ala
Ala
Asp
120
Ser

<210> 43

56

B

<211> 118
 <212> PRT
 <213> Bos primigenius indicus

<400> 43

Ser	Ser	Gly	Ser	Ala	Ser	Val	Asp	Ser	Glu	Ser	His	Arg	Ile	Arg	Glu
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Ala	Thr	Val	Cys	Thr	Val	Thr	Leu	Glu	Lys	Thr	Ser	Ala	Gly	Leu	Gly
			20					25					30		
Phe	Ser	Leu	Glu	Gly	Gly	Lys	Gly	Ser	Leu	His	Gly	Asp	Lys	Leu	Leu
		35					40					45			
Thr	Val	Asn	Arg	Ile	Leu	Lys	Gly	Trp	Leu	Glu	Gln	Ser	Asp	Thr	Val
	50					55					60				
Gln	Pro	Gly	Asp	Glu	Ile	Val	His	Leu	Ala	Gly	Thr	Ala	Met	Gln	Asp
65					70					75					80
Leu	Thr	Arg	Phe	Glu	Glu	Trp	Asn	Ile	Ile	Lys	Ala	Leu	Pro	Asp	Gly
				85					90					95	
Pro	Val	Thr	Ile	Val	Leu	Arg	Arg	Lys	Ser	Cys	Met	Ser	Lys	Gly	Thr
			100					105					110		
Pro	Ala	Ala	Gly	Asp	Pro										
			115												

<210> 44
 <211> 120
 <212> PRT
 <213> Saimiri sciureus

<400> 44

Ser	Ala	Ala	Ser	Ala	Ser	Ala	Ala	Ser	Asp	Val	Ser	Val	Asp	Ser	Thr
1				5					10					15	
Ala	Glu	Ala	Thr	Val	Cys	Thr	Val	Thr	Leu	Glu	Lys	Met	Ser	Gly	Gly
			20					25					30		
Leu	Gly	Phe	Ser	Leu	Glu	Gly	Gly	Lys	Gly	Ser	Leu	Gln	Gly	Asp	Lys
		35					40					45			
Pro	Leu	Thr	Ile	Asn	Arg	Ile	Phe	Lys	Gly	Ala	Ala	Ser	Glu	Gln	Ser
	50					55					60				
Glu	Thr	Val	Gln	Pro	Gly	Asp	Glu	Ile	Leu	His	Leu	Ala	Gly	Thr	Ala
65					70				75						80
Met	Gln	Gly	Leu	Thr	Arg	Phe	Glu	Ala	Trp	Asn	Ile	Ile	Lys	Ala	Leu
				85					90					95	
Pro	Asp	Gly	Pro	Val	Thr	Ile	Val	Ile	Lys	Arg	Lys	Ser	Met	Gln	Ser
			100					105					110		

Lys Gly Thr Ser Ala Ala Gly Asp
115 120

<210> 45
<211> 121
<212> PRT
<213> Aotus trivirgatus

<400> 45
Ser Ala Ala Ser Val Ser Ala Ala Ser Asp Val Ser Val Asp Ser Thr
1 5 10 15
Ala Glu Ala Thr Val Cys Thr Val Thr Leu Glu Lys Met Ser Gly Gly
20 25 30
Leu Gly Phe Ser Leu Glu Gly Gly Lys Gly Ser Leu His Gly Asp Lys
35 40 45
Pro Leu Thr Ile Asn Arg Ile Phe Lys Gly Ala Ala Ser Glu Gln Ser
50 55 60
Glu Thr Val Gln Pro Gly Asp Glu Ile Leu His Leu Ala Gly Thr Ala
65 70 75 80
Met Gln Gly Leu Thr Arg Phe Glu Ala Trp Asn Ile Ile Lys Ala Leu
85 90 95
Pro Asp Gly Pro Val Thr Ile Val Ile Lys Arg Lys Ser Met Gln Ser
100 105 110
Lys Gly Thr Pro Ala Ala Gly Asp Ser
115 120

<210> 46
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<220>
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<400> 46
Glu Thr Thr Ala Ala Gly Asp Ser
1 5

<210> 47
<211> 6
<212> PRT
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<220>
<223> Description of Artificial Sequence:Peptide

<400> 47
Arg Ser Gln Arg Leu Lys
1 5

B₁
<210> 48
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Peptide

<400> 48
Leu Gln Ser Lys
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